

VOLUME 67, NUMBER 6, JUNE 2013

EVOLUTION

INTERNATIONAL JOURNAL OF ORGANIC EVOLUTION

SPECIAL SECTION:

Multilevel Selection: Data and Theory

**The effect of collective dispersal
on population structure**

**Evolution of resistance to a multiple
herbivore community**

Published by the Society
for the Study of Evolution



EVOLUTION

SPECIAL SECTION: Multilevel Selection: Data and Theory

Section Editor: Charles Goodnight

- On Multilevel Selection and Kin Selection: Contextual Analysis Meets Direct Fitness
CHARLES GOODNIGHT 1539–1548
- When Hawks Give Rise to Doves: The Evolution and Transition of Enforcement Strategies
OMAR TONSI ELDAKAR, ANDREW C. GALLUP, AND WILLIAM WALLACE DRISCOLL 1549–1560
- Towards a General Theory of Group Selection
BURTON SIMON, JEFFREY A. FLETCHER, AND MICHAEL DOEBELI 1561–1572
- Tempo and Mode of Multicellular Adaptation in Experimentally Evolved *Saccharomyces cerevisiae*
WILLIAM C. RATCLIFF, JENNIFER T. PENTZ, AND MICHAEL TRAVISANO 1573–1581
- Allelopathy as an Emergent, Exploitable Public Good in the Bloom-Forming Microalga
Pyrenidium parvum
WILLIAM W. DRISCOLL, NOELLE J. ESPINOSA, OMAR T. ELDAKAR, AND JEREMIAH D. HACKETT 1582–1590
- Phase III of Wright's Shifting Balance Process and the Variance among Demes in Migration Rate
MICHAEL J. WADE 1591–1597
- Multilevel Selection with Kin and Non-Kin Groups, Experimental Results with Japanese Quail
(*Coturnix japonica*)
WILLIAM M. MUIR, P. BIJMA, AND A. SCHINCKEL 1598–1606
- Species Selection and the Macroevolution of Coral Coloniality and Photosymbiosis
CARL SIMPSON 1607–1621
- A Demographic Transition Altered the Strength of Selection for Fitness and Age-Specific Survival
and Fertility in a 19th Century American Population
JACOB A. MOORAD 1622–1634
- Multi-Level Sexual Selection: Individual and Family-Level Selection for Mating Success in a
Historical Human Population
JACOB A. MOORAD 1635–1648

ORIGINAL ARTICLES

- The Effect of Collective Dispersal on the Genetic Structure of a Subdivided Population
JONATHAN M. YEARSLEY, FRÉDÉRIQUE VIARD, AND THOMAS BROQUET 1649–1659
- Genetic Drift and Collective Dispersal Can Result in Chaotic Genetic Patchiness
THOMAS BROQUET, FRÉDÉRIQUE VIARD, AND JONATHAN M. YEARSLEY 1660–1675
- The Joint Evolution of Dispersal and Dormancy in a Metapopulation with Local Extinctions
and Kin Competition
RENAUD VITALIS, FRANÇOIS ROUSSET, YUTAKA KOBAYASHI, ISABELLE OLIVIERI,
AND SYLVAIN GANDON 1676–1691

(continues inside back cover)

WILEY
Blackwell

(continued from back cover)

Parental Frequencies and Spatial Configuration Shape Bumblebee Behavior and Floral Isolation in Hybridizing <i>Rhinanthus</i> LAURENT C. NATALIS AND RENATE A. WESSELINGH	1692–1705
The Influence of Pollinator Phylogeography and Mate Preference on Floral Divergence in a Sexually Deceptive Daisy MARINUS L. DE JAGER AND ALLAN G. ELLIS	1706–1714
Diversity and Niche Evolution along Aridity Gradients in North American Lizards (Phrynosomatidae) JOHN J. WIENS, KENNETH H. KOZAK, AND NATALIA SILVA	1715–1728
Strong Selection Barriers Explain Microgeographic Adaptation in Wild Salamander Populations JONATHAN L. RICHARDSON AND MARK C. URBAN	1729–1740
What Can Multiple Phylogenies Say About the Latitudinal Diversity Gradient? A New Look at the Tropical Conservatism, Out of the Tropics, and Diversification Rate Hypotheses ROLAND JANSSON, GENOVEVA RODRÍGUEZ-CASTAÑEDA, AND LARISA E. HARDING	1741–1755
Syndrome-Driven Diversification in a Mediterranean Ecosystem MIGUEL VERDÚ AND JULI G. PAUSAS	1756–1766
Evolution of Resistance to a Multiple-Herbivore Community: Genetic Correlations, Diffuse Coevolution, and Constraints on the Plant's Response to Selection MICHAEL J. WISE AND MARK D. RAUSHER	1767–1779
Adaptation of Diploid and Tetraploid <i>Chamerion angustifolium</i> to Elevation But Not Local Environment SARA L. MARTIN AND BRIAN C. HUSBAND	1780–1791
Under Pressure? Dental Adaptations to Termitophagy and Vermivory among Mammals CYRIL CHARLES, FLORÉAL SOLÉ, HELDER GOMES RODRIGUES, AND LAURENT VIRIOT	1792–1804
BRIEF COMMUNICATIONS	
Tropics Accelerate the Evolution of Hybrid Male Sterility in <i>Drosophila</i> ROMAN YUKILEVICH	1805–1814
Intergenerational Phenotypic Mixing in Viral Evolution CLAUDE LOVERDO AND JAMES O. LLOYD-SMITH	1815–1822
Microevolutionary Processes Generate Phylogenomic Discordance at Ancient Divergences JEFFREY C. OLIVER	1823–1830
Sex-Specific Evolutionary Potential of Pre- and Postcopulatory Reproductive Interactions in the Field Cricket, <i>Teleogryllus commodus</i> MATTHEW D. HALL, SIMON P. LAILVAUX, AND ROBERT C. BROOKS	1831–1837
Postcopulatory Sexual Selection Increases ATP Content in Rodent Spermatozoa MAXIMILIANO TOURMENTE, MELISSAH ROWE, M. MAR GONZÁLEZ-BARROSO, EDUARDO RIAL, MONTSERRAT GOMENDIO, AND EDUARDO R. S. ROLDAN	1838–1846